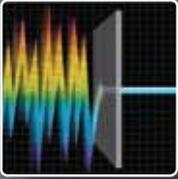


# Panamax MAX<sup>®</sup> ImagePRO Family

Power Filtration & Surge  
Protection for Digital  
Office Equipment



Noise  
Filter



Surge  
Protect



Lifetime  
Warranty

- Patented Technology
- 35 Years Engineering Experience

Applications for:  
Office Machines such  
as High Speed Digital  
Multi-functional,  
Color Copiers,  
Printers, Scanners,  
Fax Machines

Increase longevity and production of connected office machine equipment while decreasing service calls.

#### Filtration Circuitry

This technology provides enhanced Neutral-to-Ground Noise Filtration for your digital office equipment. EMI/RFI noise can contaminate the equipment safety ground, which in turn will contaminate the connected digital equipment, and prevent it from operating at peak performance levels.

#### GFCI Compatibility

This circuit features an improved 2-stage common-mode architecture that provides compatibility for GFCIs per NEC article 250.6

#### Noise Filtration

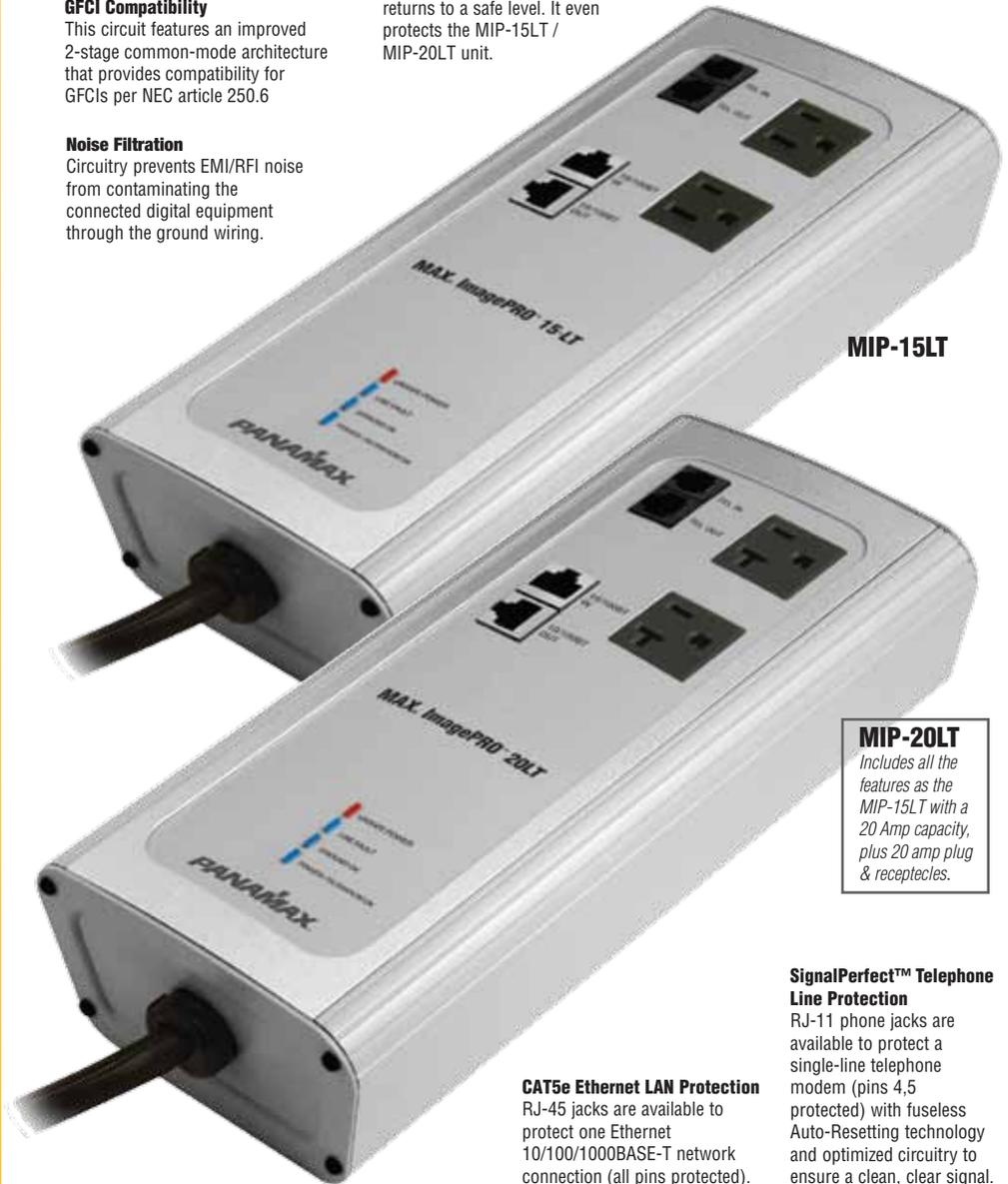
Circuitry prevents EMI/RFI noise from contaminating the connected digital equipment through the ground wiring.

#### Automatic Voltage Monitoring (AVM)

This power monitoring system acts as a gate to prevent unsafe voltages from damaging sensitive electronic equipment. It automatically detects a prolonged over-voltage or under-voltage and disconnects the power to the connected equipment, then reconnects it when the power returns to a safe level. It even protects the MIP-15LT / MIP-20LT unit.

#### Wiring Fault Safety Shutoff

This technology will detect a miswired wall receptacle or an open-ground by monitoring the voltage between neutral and ground. If an unsafe condition exists, the MIP-15LT / MIP-20LT will disconnect the power from the connected equipment.



MIP-15LT

#### MIP-20LT

Includes all the features as the MIP-15LT with a 20 Amp capacity, plus 20 amp plug & receptacles.

#### SignalPerfect™ Telephone Line Protection

RJ-11 phone jacks are available to protect a single-line telephone modem (pins 4,5 protected) with fuseless Auto-Resetting technology and optimized circuitry to ensure a clean, clear signal.

#### CAT5e Ethernet LAN Protection

RJ-45 jacks are available to protect one Ethernet 10/100/1000BASE-T network connection (all pins protected).



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**PANAMAX**  
ADVANCED POWER MANAGEMENT SOLUTIONS

## FEATURES & ACCESSORIES INCLUDED

### Diagnostic lights

#### UNSAFE POWER

(red) normally OFF – When lit, indicates that incoming voltages are unsafe and the surge protector has disconnected the power to protect your equipment.

#### LINE FAULT

(red) normally OFF - When lit, indicates that the wall outlet is improperly wired.

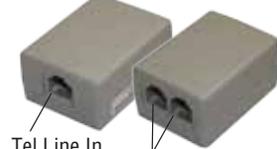
#### GROUND OK

(green) normally ON - Indicates that the wall outlet is properly grounded.

#### POWER ON / PROTECTION OK-

(green) normally ON - Indicates that the surge protector is functioning properly, power is on, and it is protecting all connected equipment.

DSL Splitter



Tel Line In

DSL & Tel Lines Out

Telephone Protection In/Out RJ-11 In/Out connectors

CAT5e LAN Protection In/Out RJ-45 bi-directional connectors

Separate protection circuits for 10/100/1000 BaseT-Ethernet and Telephone

UNSAFE POWER Indicator light

LINE FAULT Indicator light

GROUND OK Indicator light

POWER/FILTRATION OK Indicator light

Two Always-ON AC outlets  
MIP -15LT -15 Amp  
MIP -20LT -20 Amp

Three-stage, GFCI-Compatible filter circuit provides high levels of Normal and Common mode EMI/RFI noise filtration

Two rubber strips running the length on bottom provide a non-slip grip and prevent marring surface.



1 Sturdy pad-lock for anti-theft. Cord from MIP-15LT / MIP-20LT is locked to connected equipment cord. (3 keys)

Eight-foot power cord (20 Amp plug on MIP-20LT)



1 LAN cable



2 phone cords



4 Protector caps for open phone jacks. Keep dirt, dust and moisture out.

## SPECIFICATIONS

### AC SURGE PROTECTION

Line Voltage..... 120VAC, 50/60Hz  
Maximum Current Rating..... MIP-15LT.....15A  
MIP-20LT.....20A  
EMI/RFI Noise Filtration.....65 dB (100KHz - 1 MHz)  
Thermal Fusing.....Yes  
AVM (Automatic Voltage Monitoring) Circuitr.....Yes  
Overvoltage Shutoff.....138V ± 8V  
Undervoltage Shutoff.....86V ± 6V

Protect or Disconnect™ Circuitry.....Yes  
Single Pulse Energy Dissipation.....1650 Joules  
Peak Impulse Current.....52,000 Amps  
UL 1449 3rd Edition Protection Rating..... 400V  
Protection Modes..... L-N, L-G, N-G  
Initial Clamping Level..... 200 Volts  
Surge Response Time.....<1 nanosecond

### TELEPHONE PROTECTION

Pins Protected..... RJ-11/45, pins 4,5  
Protection Modes.....Metallic & Longitudinal  
Clamping Level.....260V  
Capacitance.....30pf (approx.)

### 10/100/1000BASE-T LAN PROTECTION

Pins Protected.....RJ-45, pins 1-8  
Protection Modes.....All pins to ground  
Clamping Level.....62V  
TIA-568-C-2 Performance..... CAT5e

Specifications due to change without notice due to product upgrades and improvements.

## UPC'S, QUANTITIES, WEIGHTS & MEASUREMENTS FOR ORDERING & SHIPPING

MODEL	SINGLE UNIT PACKAGE			INNER CARTON				MASTER CARTON			
	Dimensions	Weight	UPC	QTY.	Dimensions	Weight	UPC	QTY.	Dimensions	Weight	UPC
MIP-15LT	13.25" x 8.625 x 3.125	5.25 LBS.	0 50616 00868 6	2	14" x 8.625 x 9 x 7"	11 LBS.	30 050616 00868 7	4	14.5" x 14.25" x 10"	23 LBS.	50 050616 00868 1
MIP-20LT	13.25" x 8.625 x 3.125	5.25 LBS.	0 50616 00869 3	2	14" x 8.625 x 9 x 7"	11 LBS.	30 050616 00869 4	4	14.5" x 14.25" x 10"	23 LBS.	50 050616 00869 8

